

**EH3515L
Legacy® Series
Environmental
Enclosure**

**Installation/
Operation Manual**

C1469M-B (7/99)

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IMPORTANT SAFEGUARDS AND WARNINGS

Prior to installation and use of this product, the following WARNINGS should be observed.

1. Installation and servicing should only be done by Qualified Service Personnel and conform to all Local codes.
2. Unless the unit is specifically marked as a NEMA Type 3, 3R, 3S, 4, 4X, 6, or 6P enclosure, it is designed for indoor use only and it must not be installed where exposed to rain and moisture.
3. The weight of the camera/lens and enclosure shall not exceed 20 lbs. – subject to specific pan/tilt unit.
4. Only use replacement parts recommended by Pelco.
5. After replacement/repair of this unit's electrical components, conduct a resistance measurement between line and exposed parts to verify the exposed parts have not been connected to line circuitry.
6. The installation method and materials should be capable of supporting four (4) times the weight of the enclosure, pan/tilt, camera and lens combination.

The product and/or manual may bear the following marks:



This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit.



This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

CAUTION:

RISK OF ELECTRIC SHOCK.
DO NOT OPEN.

Please thoroughly familiarize yourself with the information in this manual prior to installation and operation.

DESCRIPTION

The light-duty camera enclosures of the EH3515L Legacy® Series are used with Pelco's PT480 Series and PT780 Series pan and tilt units. They can be installed indoors or outdoors.

The enclosures are constructed of aluminum. The lid is hinged in the front to provide easy access during installation and when camera/lens adjustments are necessary.

You can install cameras with either fixed focal length lenses or motorized zoom lenses. All models have an adjustable camera sled to accommodate different sizes of cameras and lenses. The sled can even be turned over to act as an elevation block.

You can install a padlock on the rear link-lock latch if additional security is needed.

MODELS

EH3515L	Indoor/outdoor enclosure with lid that opens at the rear. 15-inch (38.10 cm) length. (CE)
EH3515L-1	EH3515L with 120 VAC heater, defroster, and blower, 27 watts
EH3515L-1HD	EH3515L with 120 VAC heater and defroster, 23 watts
EH3515L-2	EH3515L with 24 VAC heater, defroster, and blower, 25 watts
EH3515L-2HD	EH3515L with 24 VAC heater and defroster, 23 watts
EH3515L-3	EH3515L with 230 VAC heater, defroster, and blower, 32 watts
EH3515L-3HD	EH3515L with 230 VAC heater and defroster, 23 watts

INSTALLATION

The following parts are supplied:

- 1 EH3515 enclosure
- 2 1/4-20 Phillips screws
- 1 Three-pin plug with wires
- 1 Two-pin plug with wires
- 1 5/32-in. Allen wrench
- 2 10-32 x 1-in. Allen screws
- 1 Tube of Loctite® threadlocker
- 1 Loctite® application instructions (C1447M)

1. Unlatch and raise the enclosure lid.
2. Remove the camera sled from the rail:
 - a. Loosen the screws.
 - b. Slide the sled so that the screws are in the large part of the mounting holes.
 - c. Remove the sled.
 - d. Remove the parts tied to the sled.
3. Mount the camera to the sled with the 1/4-20 Phillips-head screws that are provided in the parts bag. You can mount the camera to either side of the sled. Note that the edges of the sled are bent and that one lip is wide and the other is narrow.

Normally you should mount the camera so that the wide lip of the sled fits over the mounting screws.

If you are installing a camera with a low optical center line or a camera with a large diameter lens, mount the camera so that the narrow lip of the sled fits over the mounting screws. This elevates the sled.

4. Install the sled and camera in the enclosure:
 - a. If the camera's lens is adjustable, extend the lens to its maximum length.
 - b. Place the sled on the rail over the two attaching screws.
 - c. Slide the sled so that the screws fit into the narrow slots of the mounting holes.
 - d. Tighten the screws just enough to hold the sled to the rail, but not too tight to keep the rail and sled from moving.
 - e. Slide the camera sled forward until the lens almost touches the window.
 - f. Tighten the two screws to secure the camera sled to the rail.
5. Connect the video cable in the enclosure to the video output connection on the camera.
6. If you are going to synchronize cameras, connect the synchronization cable in the enclosure to the synchronization connection on the camera.
7. If your camera has a motorized zoom lens control, connect or wire the camera's lens control to the LENS or LENS CONTROL connector on the circuit board.

**WARNING:**

Camera damage possible. You can damage your camera if you connect it to the wrong connector.

If your camera will use the same power as the enclosure, plug the camera into the CAM1 socket on the circuit board inside the enclosure.

*If your camera's voltage will be different from the enclosure's voltage, plug the camera into the CAM2 socket only. **DO NOT** plug the camera into the CAM1 socket or you can damage your camera. CAM1 has enclosure voltage on it.*

**BE CAREFUL -
REMEMBER CAM1 IS
ENCLOSURE POWER**

**NEVER PLUG YOUR
CAMERA INTO CAM1
IF THE CAMERA'S
VOLTAGE IS DIFFER-
ENT FROM THE
ENCLOSURE'S
VOLTAGE.**

**WARNING:**

Failure to tighten the screws may result in damage to the enclosure when you operate the camera.

8. Wire power from the circuit board to the camera.

There are two ways to supply power to the camera: when the power requirements for the camera and enclosure's accessories are the same (for example, if the camera and accessories use 24 VAC), and when the power requirements for the camera and the enclosure's accessories are different (for example, if the camera uses 24 VAC and the accessories use 120 VAC).

When the power requirements are the same:

When the power requirements are the same, there are two ways to connect power:

- a. A three-pin plug is provided. Connect the wires from the plug to the camera as follows:

Brown - AC HI
Blue - AC NT
Green - Ground

Connect the plug to the CAM1 socket on the circuit board.

or

- b. If both the camera and enclosure use 120 VAC and you ordered the optional 120 VAC electrical outlet accessory (O/I OUTLET), connect the 120 VAC plug to the camera. Connect the three-pin plug to CAM1.

When the power requirements are different:

A two-pin plug is supplied as loose equipment. Connect the wires from the plug to the camera as follows:

Brown - AC HI
Blue - AC NT

Connect the plug to the CAM2 socket on the circuit board.

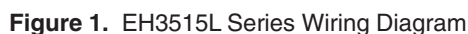
9. Close the enclosure lid, and latch.
10. Mount the enclosure to the pan/tilt unit:
 - a. Apply Loctite® threadlocker to the two 10-32 x 1-inch Allen screws and tilt table threads. Refer to the instructions supplied with the Loctite® and screws.
 - b. Lift the enclosure over the pan/tilt unit and carefully lower the enclosure into the pan/tilt unit to mate the 26-pin RediLINK™ D-type connectors in the shaft of the pan/tilt unit and on the bottom of the enclosure.
 - c. Once the connectors are mated, firmly apply pressure downward and to the back of the enclosure to fully seat the enclosure in the pan/tilt unit.
 - d. Slowly remove your hands from the enclosure. Be sure that the enclosure is balanced on the pan/tilt unit.
 - e. Install the two screws in the tilt table and tighten with the 5/32-inch Allen wrench that is supplied with the enclosure.
11. Adjust the camera focus and iris if necessary. If you need to adjust the focus and iris manually, open the enclosure lid, adjust the focus and iris, and close the enclosure lid.

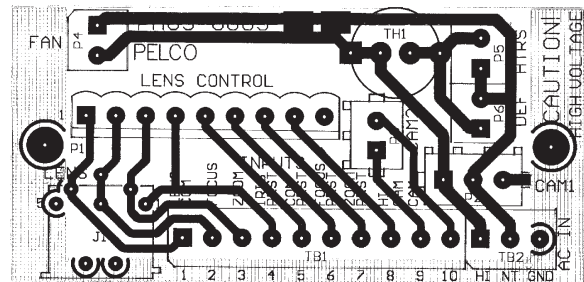
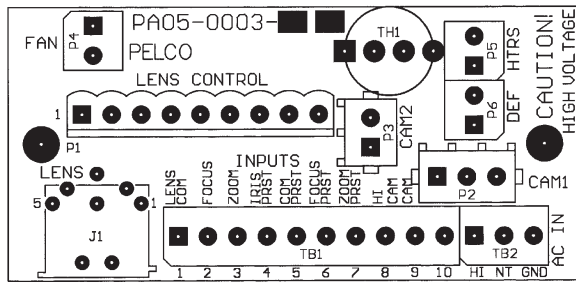
OPERATION

If your enclosure has a thermostatically controlled heater or defroster, the thermostat is set to turn them on at 50°F (10°C) and to turn them off at 80° F (27°C).

If your enclosure has a blower, the fan operates continuously.

If you need to troubleshoot the circuit board or wiring, refer to Figures 1-3. Connector P6 (DEF) is not used with the new defroster unit.





Window Viewing

Area: 2.25 in. H x 2.63 in. W (5.71 x 6.68 cm)
Camera Mounting: Multiple holes on adjustable camera sled. Sled can be inverted to act as an elevation block.

Max. Camera and Lens Size: Accommodates camera and lens combinations (including BNC connector) up to:

2.87 in. W x 3.00 in. H x 11.00 in. L (7.28 x 7.62 x 27.94 cm)
Rear Latch: Stainless steel rear link-lock latch

Dimensions: 5.20 in. W x 5.44 in. H x 17.65 in. L (13.21 x 13.82 x 44.83 cm)

Weight:

EH3515L: 5.00 lb (2.27 kg)
EH3515L-1/-2/-3,
EH3515L-1HD/
-2HD/-3HD: 5.50 lb (2.49 kg)

Ratings

EH3515L: NEMA 4, IP 66
EH3515L-1: NEMA 4, IP 66
EH3515L-2: NEMA 4, IP 66
EH3515L-3: NEMA 4, IP 66

(Design and product specifications subject to change without notice.)

PRODUCT WARRANTY AND RETURN INFORMATION

WARRANTY

Pelco will repair or replace, without charge, any merchandise proved defective in material or workmanship for a period of one year after the date of shipment.

Exceptions to this warranty are as noted below:

- Five years on FT/FR8000 Series fiber optic products.
- Three years on Genex® Series products (multiplexers, server, and keyboard).
- Three years on Camclosure® and fixed camera models, except the CC3701H-2, CC3701H-2X, CC3751H-2, CC3651H-2X, MC3651H-2, and MC3651H-2X camera models, which have a five-year warranty.
- Two years on standard motorized or fixed focal length lenses.
- Two years on Legacy®, CM6700/CM6800/CM9700 Series matrix, and DF5/DF8 Series fixed dome products.
- Two years on Spectra®, Esprit®, ExSite™, and PS20 scanners, including when used in continuous motion applications.
- Two years on Esprit® and WW5700 Series window wiper (excluding wiper blades).
- Eighteen months on DX Series digital video recorders, NVR300 Series network video recorders, and Endura™ Series distributed network-based video products.
- One year (except video heads) on video cassette recorders (VCRs). Video heads will be covered for a period of six months.
- Six months on all pan and tilts, scanners or preset lenses used in continuous motion applications (that is, preset scan, tour and auto scan modes).

Pelco will warrant all replacement parts and repairs for 90 days from the date of Pelco shipment. All goods requiring warranty repair shall be sent freight prepaid to Pelco, Clovis, California. Repairs made necessary by reason of misuse, alteration, normal wear, or accident are not covered under this warranty.

Pelco assumes no risk and shall be subject to no liability for damages or loss resulting from the specific use or application made of the Products. Pelco's liability for any claim, whether based on breach of contract, negligence, infringement of any rights of any party or product liability, relating to the Products shall not exceed the price paid by the Dealer to Pelco for such Products. In no event will Pelco be liable for any special, incidental or consequential damages (including loss of use, loss of profit and claims of third parties) however caused, whether by the negligence of Pelco or otherwise.

The above warranty provides the Dealer with specific legal rights. The Dealer may also have additional rights, which are subject to variation from state to state.

If a warranty repair is required, the Dealer must contact Pelco at (800) 289-9100 or (559) 292-1981 to obtain a Repair Authorization number (RA), and provide the following information:

1. Model and serial number
2. Date of shipment, P.O. number, Sales Order number, or Pelco invoice number
3. Details of the defect or problem

If there is a dispute regarding the warranty of a product which does not fall under the warranty conditions stated above, please include a written explanation with the product when returned.

Method of return shipment shall be the same or equal to the method by which the item was received by Pelco.

RETURNS

In order to expedite parts returned to the factory for repair or credit, please call the factory at (800) 289-9100 or (559) 292-1981 to obtain an authorization number (CA number if returned for credit, and RA number if returned for repair).

All merchandise returned for credit may be subject to a 20% restocking and refurbishing charge.

Goods returned for repair or credit should be clearly identified with the assigned CA or RA number and freight should be prepaid. Ship to the appropriate address below.

If you are located within the continental U.S., Alaska, Hawaii or Puerto Rico, send goods to:

Service Department
Pelco
3500 Pelco Way
Clovis, CA 93612-5699

If you are located outside the continental U.S., Alaska, Hawaii or Puerto Rico and are instructed to return goods to the USA, you may do one of the following:

If the goods are to be sent by a COURIER SERVICE, send the goods to:

Pelco
3500 Pelco Way
Clovis, CA 93612-5699 USA

If the goods are to be sent by a FREIGHT FORWARDER, send the goods to:

Pelco c/o Expeditors
473 Eccles Avenue
South San Francisco, CA 94080 USA
Phone: 650-737-1700
Fax: 650-737-0933

REVISION HISTORY

Manual #	Date	Comments
C1469M	6/97	Original version.
C1469M-A	6/99	Revised installation instructions. Removed heater, blower, and defroster installation instructions. Revised <i>Maintenance</i> and <i>Specifications</i> sections. Added new models per ECO 99-4749.
C1469M-B	7/99	Revised EH3515L Series Wiring Diagram.